

Bach Dang Bridge (Vietnam)



Project description

The Bach Dang Bridge is built to complete the connecting road between Ha Long city and Hanoi – Hai Phong highways. The bridge is expected to reduce traffic load, shorten travel time from Hanoi to Hai Phong and Quang Ninh, attract investments and contribute to the socio-economic development of Quang Ninh Province.

The bridge is 3,054 m long, 25 m wide and accommodates four lanes that allow vehicles to travel up to 100 kph.

The main bridge – Bach Dang cable stayed bridge – is 700 m long, with four continuous cable stayed spans and three pylons.

mageba scope

mageba supplied 6 units of LASTO®HDRB High Damping Rubber Bearings, 4 units of RESTON®SPHERICAL bearings and 6 units of LASTO®BLOCK elastomeric bearings for the bridge.

TENSA®MODULAR expansion joints of type LR11 were also supplied, with the maximum movement capacity of 880 mm.

The LASTO®HDRB High Damping Rubber Bearings were installed in order to work on the principle of base isolation, and limit the energy transferred from the ground to the structure in the event of an earthquake. Each of the bearings measure 1.55 m × 1.55 m and have a maximum load capacity of 10,823 kN.

Highlights & facts

mageba Products:

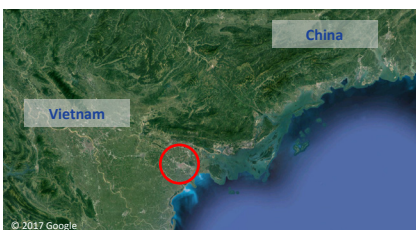
Type: LASTO®HDRB High Damping Rubber bearings
RESTON®SPHERICAL bearings
LASTO®BLOCK elastomeric bearings
TENSA®MODULAR expansion joints of type LR11

Installation: 2017–2018

Structure:

City: Haiphong
Country: Vietnam
Type: Cable stayed bridge
Construction: 2013–2018
Length: 3,054 m
Builder: VSL Vietnam Ltd.

The Bach Dang Bridge contributes to the development of the city and the whole region



A mageba LASTO®HDRB High Damping Rubber Bearing during installation



The bridge under construction

